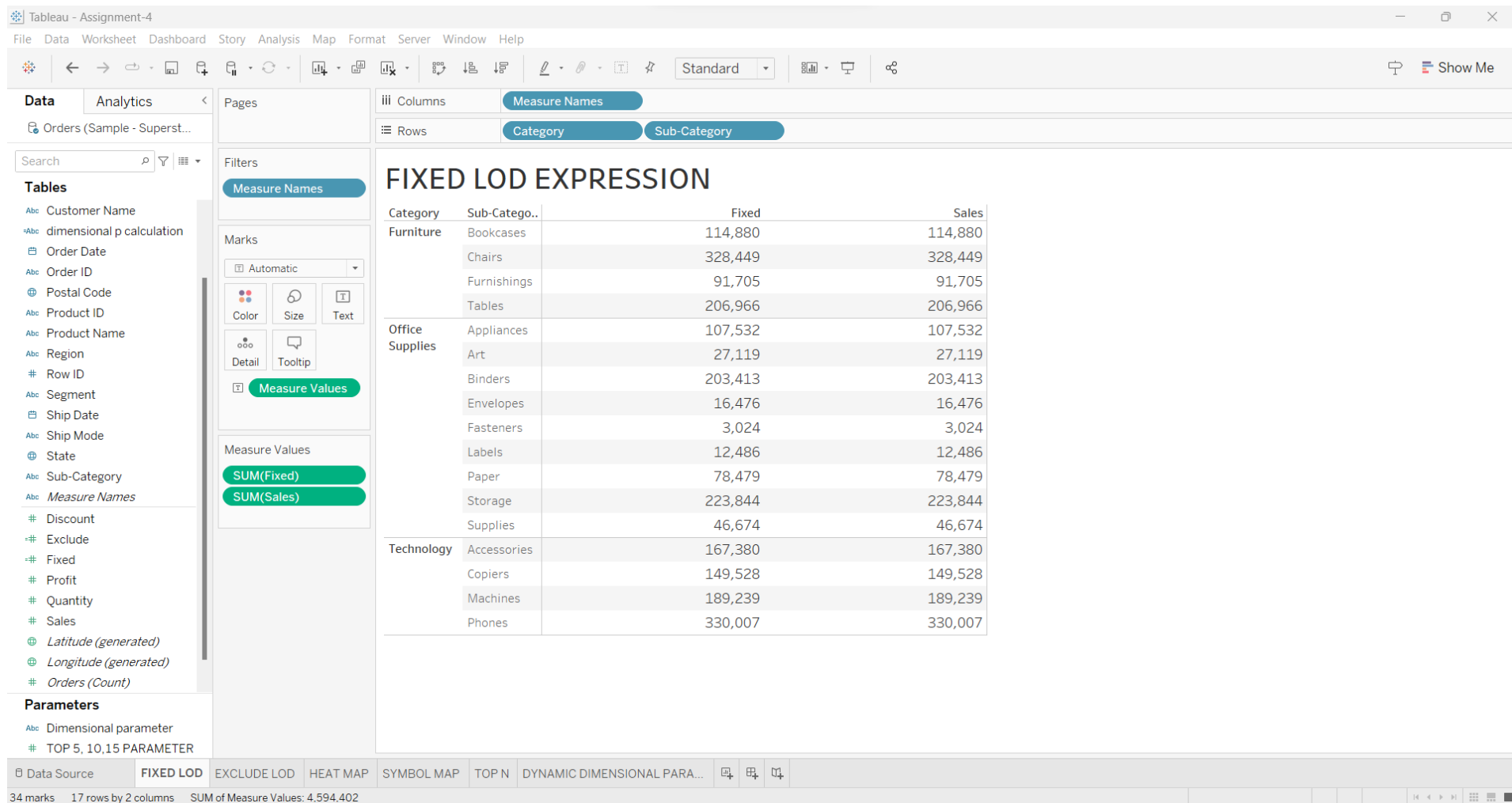**TASK-1:LOD EXPRESSIONS**

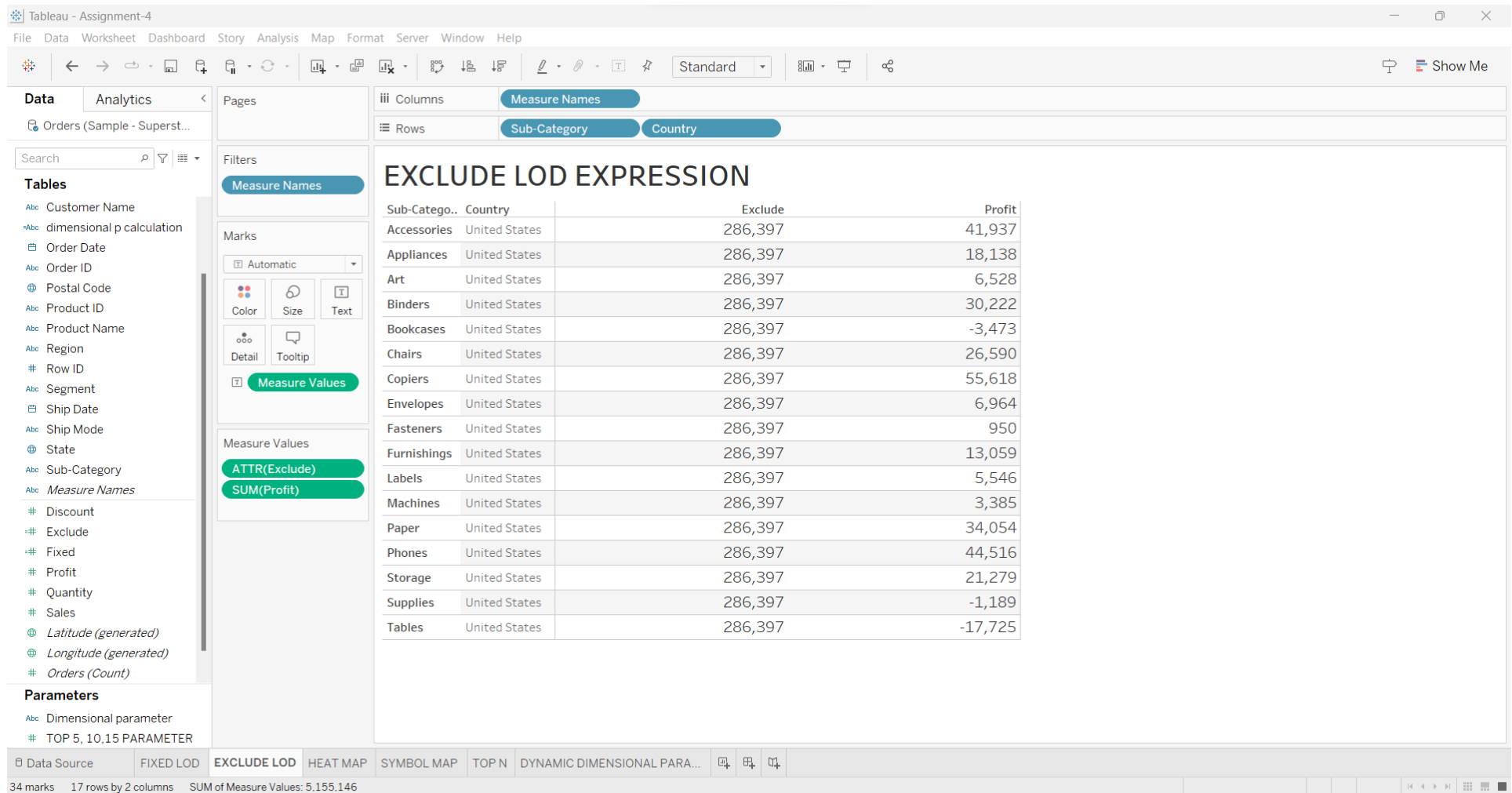**FIXED LOD EXPRESSION:**
1.This visualization represents abouts fixed lod expressions.
2.The expression I used in this visualization is {FIXED [Category],[Sub-Category]:SUM([Sales])}.
3.In this visualization we can see the fixed values of category and sub category in a fixed way.
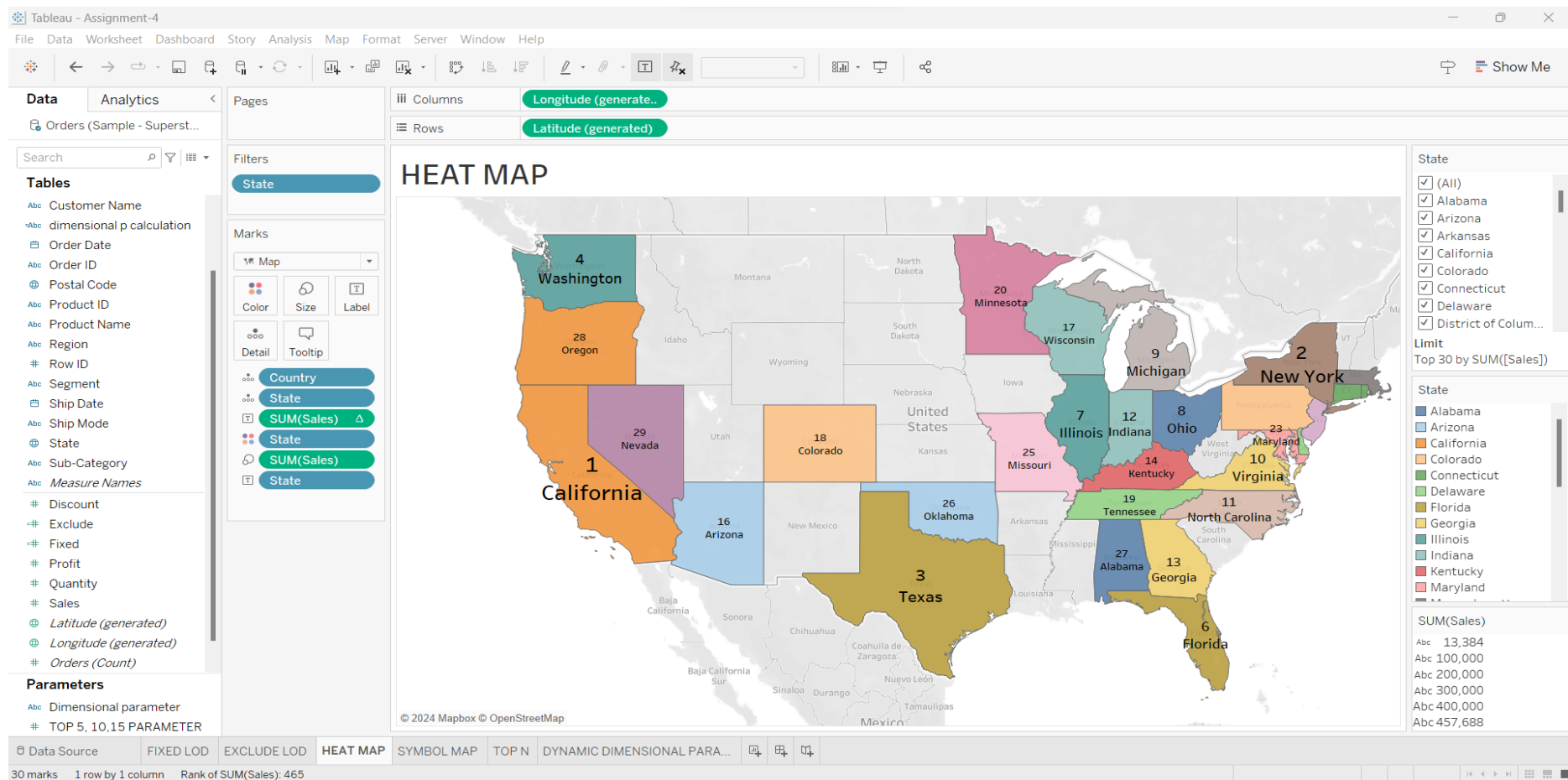
EXCLUDE LOD EXPRRESSION:

1.This visualization represents abouts exclude lod expressions.

2.The expression I used in this visualization is {EXCLUDE [Sub-Category]:SUM([Profit])}.

3.In this visualization we can see the total profits excluding sub category and country.
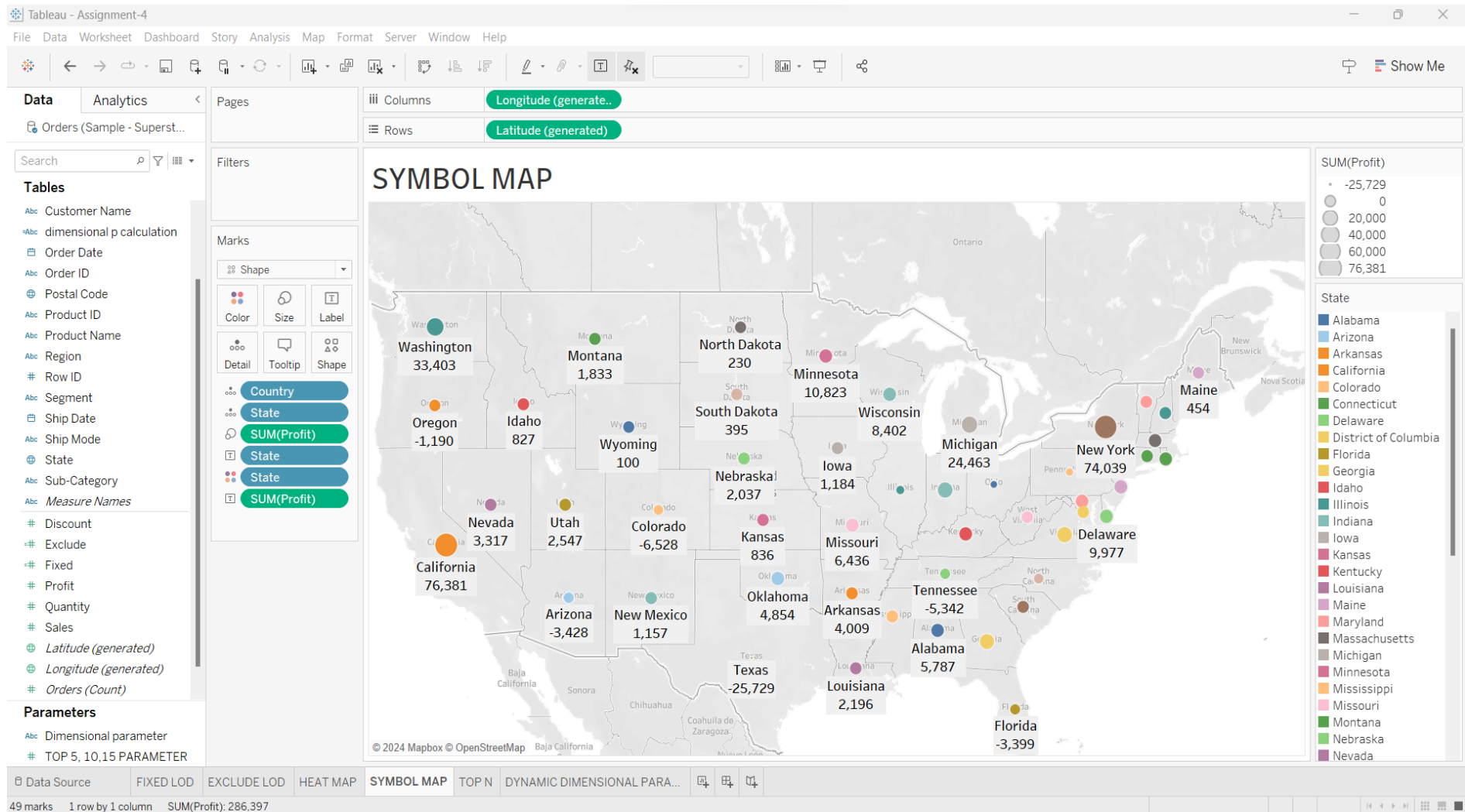
TASK-2:

HEAT MAP:

1.This visualization represents about heat map.

2. In this visualization we can see the ranks of top 30 states of United states by sales.

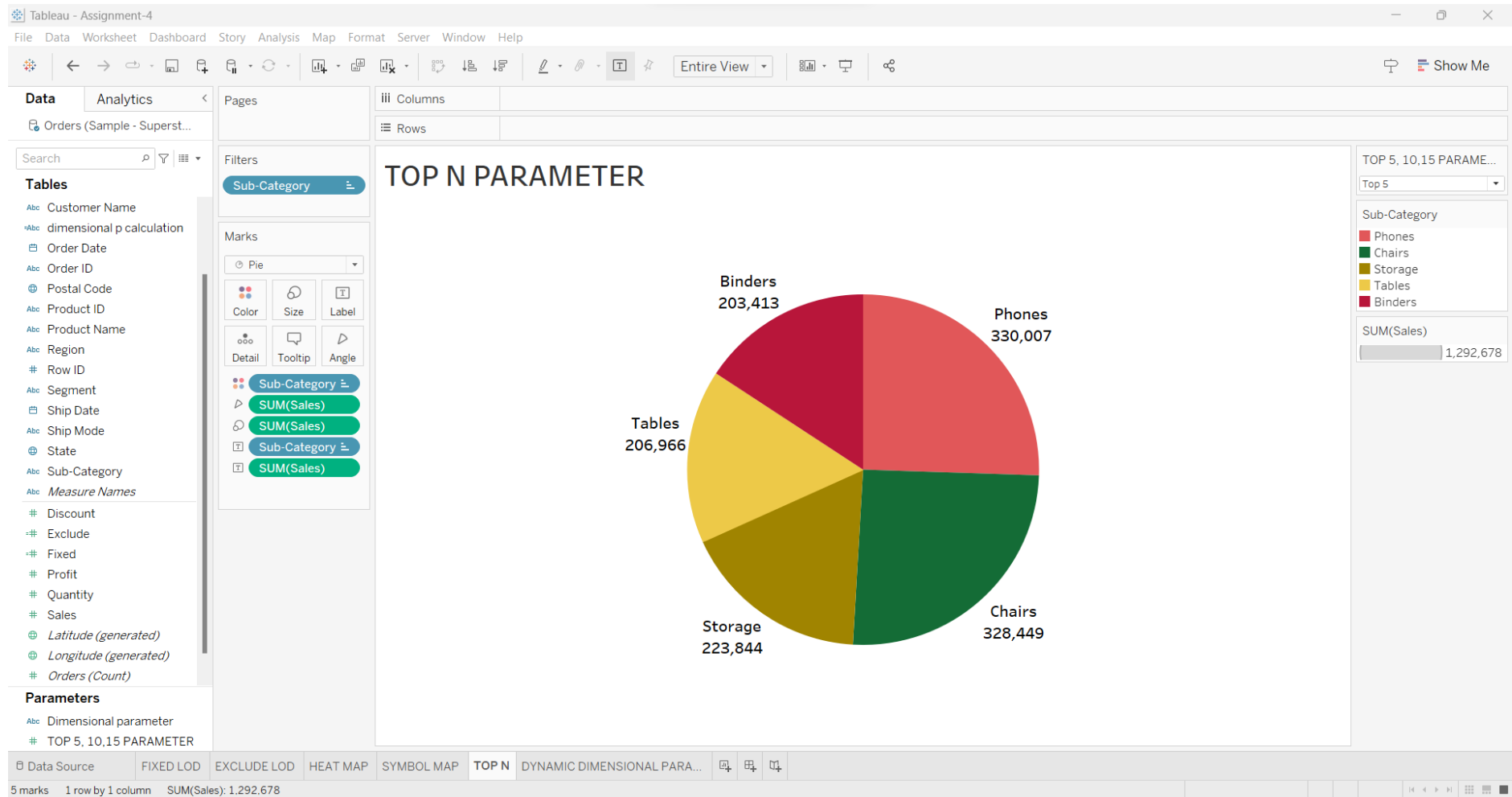3.Here California stands at first rank in sales with 4,57,688.

SYMBOL MAP:

1.This visualization represents about symbol map.

2.In this visualization we can see the states of United states by profit and coloured circles indicates about profits.

3.Here California has the highest profits with 76,381.

TASK-3

TOP N PARAMETER:

1.This visualization represents about the Top N parameter.

2.This Top N parameter contains top 5,10,15 .

3.As a result we can see pie chart with top 5 sub category by sales.

DYNAMIC DIMENSIONAL PARAMETER:

1.This visualization represents about dynamic dimensional parameter.

2.This dimensional parameter contains region and category.

3.As a result we can see funnel chart with region by profit.